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1 Continuous program optimization: A case study

Thomas Kistler, Michael Franz

July 2003 **Transactions on Programming Languages and Systems (TOPLAS)**, Volume 25 Issue 4

Publisher: ACM

Full text available: [PDF \(877.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

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Much of the software in everyday operation is not making optimal use of the hardware on which it actually runs. Among the reasons for this discrepancy are hardware/ software mismatches, modularization overheads introduced by software engineering considerations, ...

2 Process migration

Delan S. Miliditi, Fred Dougla, Yves Paindavine, Richard Wheeler, Songnian Zhou

September 2000 **Computing Surveys (CSUR)**, Volume 32 Issue 3

Publisher: ACM

Full text available: [PDF \(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

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Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has ...

3 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: [PDF \(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

4 [Disco: running commodity operating systems on scalable multiprocessors](#)

 [Edouard Bugnion, Scott Devine, Kingsuk Govil, Mendel Rosenblum](#)

November 1997 [Transactions on Computer Systems \(TOCS\)](#), Volume 15 Issue 4

Publisher: ACM  [Request Permissions](#)

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In this article we examine the problem of extending modern operating systems to run efficiently on large-scale shared-memory multiprocessors without a large implementation effort. Our approach brings back an idea popular in the 1970s: virtual machine ...

Keywords: scalable multiprocessors, virtual machines

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